

Amendments to the Claims:

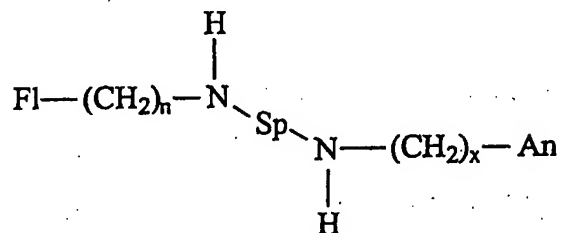
This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-21. (Canceled)

22. (Original): A method of synthesizing a modular fluorescence sensor comprising the steps of:

(a) forming an asymmetric compound of the following general formula:



wherein:

Fl is a fluorophore;

N is a nitrogen atom and H is a hydrogen atom;

Sp is an aliphatic spacer;

An is an anchor group for attaching the sensor to a solid substrate; and

n = 1 or 2, and x is any integer; and

(b) replacing hydrogen atoms with B_{d1} and B_{d2} groups, wherein B_{d1} and B_{d2} are independently selected binding groups capable of binding an analyte molecule to form a stable 1:1 complex.

23. (Original): The method of claim 22, wherein Fl is selected from the group consisting of naphthyl, anthryl, pyrenyl, phenanthryl, and perylenyl.

24. (Original): The method of claim 22, wherein B_{d1} is $R_1-B(OH)_2$ and B_{d2} is $R_2-B(OH)_2$, wherein R_1 and R_2 are aliphatic or aromatic functional groups selected independently from each other, and B is a boron atom.

25. (Currently amended): The method of claim 24, wherein R_1 and R_2 are selected from the group consisting of: methyl, ethyl, propyl, butyl, phenyl, methoxy, ethoxy, butoxy, and phenoxy groups.

26. (Original): The method of claim 24, wherein the step of replacing of hydrogen atoms comprises adding orthobromomethyl phenylboronic acid.

27. (Original): The method of claim 22, wherein Sp is a straight-chain alkane.

28. (Original): The method of claim 27, wherein the straight-chain alkane comprises 9 carbon atoms.

29. (Original): The method of claim 28, wherein the straight-chain alkane comprises 6 carbon atoms.

30. (Original): The method of claim 22, wherein An comprises an organic functionality.

31. (Original): The method of claim 22, wherein An comprises methyl.

32. (Original): The method of claim 22, wherein An comprises phenyl.

33-60. (Canceled).